



# Design Technology



## DT at the Federation of Grewelthorpe and Fountains CE Primary Schools

*“Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others’ needs, wants and values.”*

National Curriculum 2014

### Our Intent

At the Federation of Grewelthorpe and Fountains C of E Primary Schools, our aims are to: fulfil the requirements of the National Curriculum for design and technology, provide a broad and balanced curriculum, ensure the progressive development of knowledge and skills, to learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens through evaluation of past and present design and technology, develop a critical understanding of its impact on daily life and the wider world, to participate successfully in an increasingly technological world using the language of design and technology.

The aims of teaching design and technology in our school are:

- Develop creative, technical and imaginative thinking in children and to develop confidence to participate successfully in an increasingly technological world.
- Enable children to talk about how things work and to develop their technical knowledge,
- Apply a growing body of knowledge, understanding and skills in order to design and make prototypes and products for a wide range of users,
- Encourage children to select appropriate tools and techniques when making a product, whilst following safe procedures,
- Develop an understanding of technological processes and products, their manufacture and their contribution to our society,
- Foster enjoyment, satisfaction and purpose in designing and making things,
- Critique, evaluate and test their ideas and products, and the work of others,
- Understand and apply the principles of nutrition and to learn how to cook,

- Understand how key events and individuals in design and technology have helped shape the world.

## **Implementation**

To ensure high standards of teaching and learning in design and technology, we implement a curriculum that is progressive throughout the whole school. Design and technology is taught as part of a termly theme, focusing on knowledge and skills stated in the National Curriculum.

The design and technology curriculum is based upon the 2014 Primary National Curriculum in England, which provides a broad framework and outlines the knowledge and skills taught in each Key Stage. Teachers plan lessons for their class using our progression of knowledge and skills documents. Teachers can use these documents to plan their design and technology lessons suitable to their class's interests and what they want to learn about. The progression document ensures the curriculum is covered and the skills/knowledge taught is progressive from year group to year group.

When teaching design and technology, teachers should follow the children's interests to ensure their learning is engaging, broad and balanced. A variety of teaching approaches are used based on the teacher's judgement.

We provide a variety of opportunities for design and technology learning to take place inside and outside the classroom.

Educational visits are another opportunity for the teachers to plan for additional design and technology learning outside the classroom. The children have many opportunities to experience design and technology on educational visits. The children have visited local museums, food establishments and had visitors into school to share learning and have hands on experiences. In recent years, teachers have linked with local high schools to use their facilities, technology and expertise.